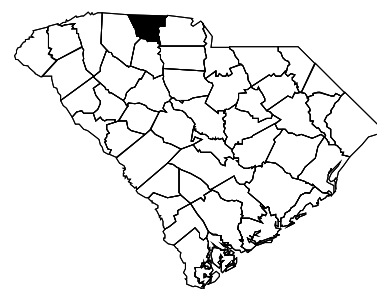


IMPACT OF CHRONIC CONDITIONS CHEROKEE County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Cherokee county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Cherokee county's population is similar to the state population. The majority (38%) of the population in Cherokee county are between the ages of 18-44. There are more females (51.4%) than males (48.6%). Cherokee county has a lower minority population (21.4%) than the state (31%). When adults in DHEC's Region 2 which includes Cherokee county, were asked about their general health status, 84.1% reported having excellent, very good, or good health in 2005 (SC was 82%).

	CHEROKEE COUNTY	STATE
Population size	53,844	4,255,083
Age distribution (%)		
<18	25	24
18-44	38	38
45-64	25	25
65-84	11	11
85+	2	2
Race (%)		
White	79	69
Black & Other	21	31
Sex (%)		
Male	49	49
Female	51	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Cherokee County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	24	22
Sedentary lifestyle	26	26
Overweight	76	65
High Cholesterol	40	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION AND HYPERTENSIVE DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	30.9	.	.	.	.	31.7
Number of hospitalizations	50	28	22	27	23	5,032
Crude rate of hospitalizations (per 100,000)	93	243	52	103	83	118
Median age of hospitalized patients	57	52	62	52	57	57
Total cost of hospitalization (\$)	919,800	509,600	410,200	482,600	437,200	109,400,500
Average length of hospital stay (days)	4	4	4	4	4	5
Number of ED visits	90	42	48	26	64	7,466
Crude rate of ED visits (per 100,000)	167	365	113	99	231	175
Median age of ED patients	52	47	52	52	52	52
Total cost of ED visits (\$)	129,900	62,600	67,300	33,800	96,100	9,929,000
Number of deaths**	6	3	3	2	4	423
Age-Adjusted Death rate (per 100,000)**	11	37	7	7	13	10

DISEASES OF THE HEART	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.3	.	.	.	.	4.1
Number of hospitalizations	934	162	772	492	442	60,901
Crude rate of hospitalizations (per 100,000)	1,735	1,406	1,824	1,879	1,598	1,431
Median age of hospitalized patients	67	57	67	67	72	67
Total cost of hospitalization (\$)	30,610,300	4,014,200	26,596,100	17,063,200	13,547,100	2,286,836,400
Average length of hospital stay (days)	5	5	5	4	5	5
Number of ED visits	158	48	110	80	78	12,989
Crude rate of ED visits (per 100,000)	293	417	260	305	282	305
Median age of ED patients	57	52	62	57	57	62
Total cost of ED visits (\$)	695,300	179,300	516,000	456,100	239,200	42,115,900
Number of deaths**	126	25	101	72	54	9,328
Age-Adjusted Death rate (per 100,000)**	230	307	218	349	161	218

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	2.2	.	.	.	.	3
Number of hospitalizations	297	57	240	126	171	13,925
Crude rate of hospitalizations (per 100,000)	552	495	567	481	618	327
Median age of hospitalized patients	67	67	70	67	72	72
Total cost of hospitalization (\$)	7,491,200	1,473,600	6,017,600	3,541,200	3,950,000	384,441,600
Average length of hospital stay (days)	5	6	5	5	5	6
Number of ED visits	32	8	24	15	17	2,515
Crude rate of ED visits (per 100,000)	59	69	57	57	61	59
Median age of ED patients	62	60	62	62	57	67
Total cost of ED visits (\$)	108,300	35,300	73,000	52,800	55,500	9,113,000
Number of deaths**	37	5	32	16	21	2,440
Age-Adjusted Death rate (per 100,000)**	71	74	71	85	63	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	431	72	359	159	272	15,753
Crude rate of hospitalizations (per 100,000)	800	625	848	607	984	370
Median age of hospitalized patients	62	42	67	62	62	62
Total cost of hospitalization (\$)	8,391,700	1,033,200	7,358,500	2,620,200	5,771,500	268,425,300
Average length of hospital stay (days)	5	4	5	4	5	5
Number of ED visits	261	78	182	107	154	36,543
Crude rate of ED visits (per 100,000)	485	677	430	409	557	859
Median age of ED patients	42	27	52	37	47	37
Total cost of ED visits (\$)	395,200	101,800	293,400	168,600	226,600	40,613,700
Number of deaths**	53	2	51	35	18	1,968
Age-Adjusted Death rate (per 100,000)**	99	26	112	165	55	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	9.3	.	.	.	.	10.3
Number of hospitalizations	133	41	91	72	61	9,027
Crude rate of hospitalizations (per 100,000)	247	356	215	275	221	212
Median age of hospitalized patients	47	52	37	42	52	52
Total cost of hospitalization (\$)	2,600,400	971,600	1,628,800	1,443,700	1,156,700	179,747,700
Average length of hospital stay (days)	5	6	5	5	5	6
Number of ED visits	71	35	36	39	32	9,603
Crude rate of ED visits (per 100,000)	132	304	85	149	116	226
Median age of ED patients	47	47	50	47	52	52
Total cost of ED visits (\$)	117,800	59,800	58,000	65,400	52,400	13,447,300
Number of deaths**	18	2	16	9	9	1,183
Age-Adjusted Death rate (per 100,000)**	33	29	34	39	29	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	248	40	208	140	108	16,389
Crude rate of hospitalizations (per 100,000)	461	347	491	535	391	385
Median age of hospitalized patients	62	57	62	67	62	62
Total cost of hospitalization (\$)	8,834,800	1,278,000	7,556,800	4,374,800	4,460,000	664,309,500
Average length of hospital stay (days)	7	7	7	6	8	8
Number of deaths**	125	23	101	75	50	8,617
Age-Adjusted Death rate (per 100,000)**	226	269	217	321	161	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	33	3	30	18	15	2,070
Crude rate of hospitalizations (per 100,000)	61	26	71	69	54	49
Median age of hospitalized patients	62	52	62	65	62	67
Total cost of hospitalization (\$)	2,207,400	138,900	2,068,500	967,600	1,239,800	101,377,700
Average length of hospital stay (days)	12	7	12	9	15	10
Number of deaths**	13	4	9	9	4	812
Age-Adjusted Death rate (per 100,000)**	24	36	20	38	13	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	15	4	11	-	15	1,228
Crude rate of hospitalizations (per 100,000)	54	68	51	-	80	56
Median age of hospitalized patients	57	55	62	-	57	62
Total cost of hospitalization (\$)	267,500	54,100	213,400	-	267,500	26,163,000
Average length of hospital stay (days)	2	2	2	-	2	3
Number of deaths**	8	1	7	-	8	651
Age-Adjusted Death rate (per 100,000)**	26	16	28	-	26	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	3	1	2	-	3	192
Crude rate of hospitalizations (per 100,000)	11	17	9	-	11	9
Median age of hospitalized patients	42	47	42	-	42	47
Total cost of hospitalization (\$)	66,900	36,100	30,800	-	66,900	4,668,500
Average length of hospital stay (days)	3	3	3	-	3	4
Number of deaths**	1	-	1	-	1	63
Age-Adjusted Death rate (per 100,000)**	4	-	6	-	4	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	44	3	41	32	12	2,181
Crude rate of hospitalizations (per 100,000)	82	26	97	122	43	51
Median age of hospitalized patients	67	52	67	67	65	67
Total cost of hospitalization (\$)	1,384,600	88,700	1,295,900	979,700	404,900	92,775,300
Average length of hospital stay (days)	6	8	6	7	6	9
Number of deaths**	43	6	36	28	15	2,703
Age-Adjusted Death rate (per 100,000)**	74	70	74	104	47	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	16	4	12	16	-	1,209
Crude rate of hospitalizations (per 100,000)	61	71	58	62	-	58
Median age of hospitalized patients	67	60	72	67	-	62
Total cost of hospitalization (\$)	351,700	92,200	259,500	351,700	-	30,356,600
Average length of hospital stay (days)	3	3	3	3	-	4
Number of deaths**	4	1	3	4	-	460
Age-Adjusted Death rate (per 100,000)**	23	31	22	23	-	30

*Prevalence estimates at regional level

**Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

All hospitalizations of Blacks include Blacks and Others.

For more information about

Chronic diseases in South Carolina contact:

Khosrow Heidari
Bureau of Community Health and Chronic Disease Prevention
SC Department of Health and Environmental Control
1777 St. Julian Place
Columbia, SC 29204
Tel (803) 545-4928

Hospital discharges and ED visits, contact:

Sandra Kelly
Office of Research and Statistics
SC Budget and Control Board
1919 Blanding Street
Columbia, SC 29201
(803) 898-9958
skelly@ors.state.sc.us

